

Middle Fork Stones River - Visual Stream Assessment

March/ April 2015 (County Farm – S Church St – 3.52 miles)

Top Problems

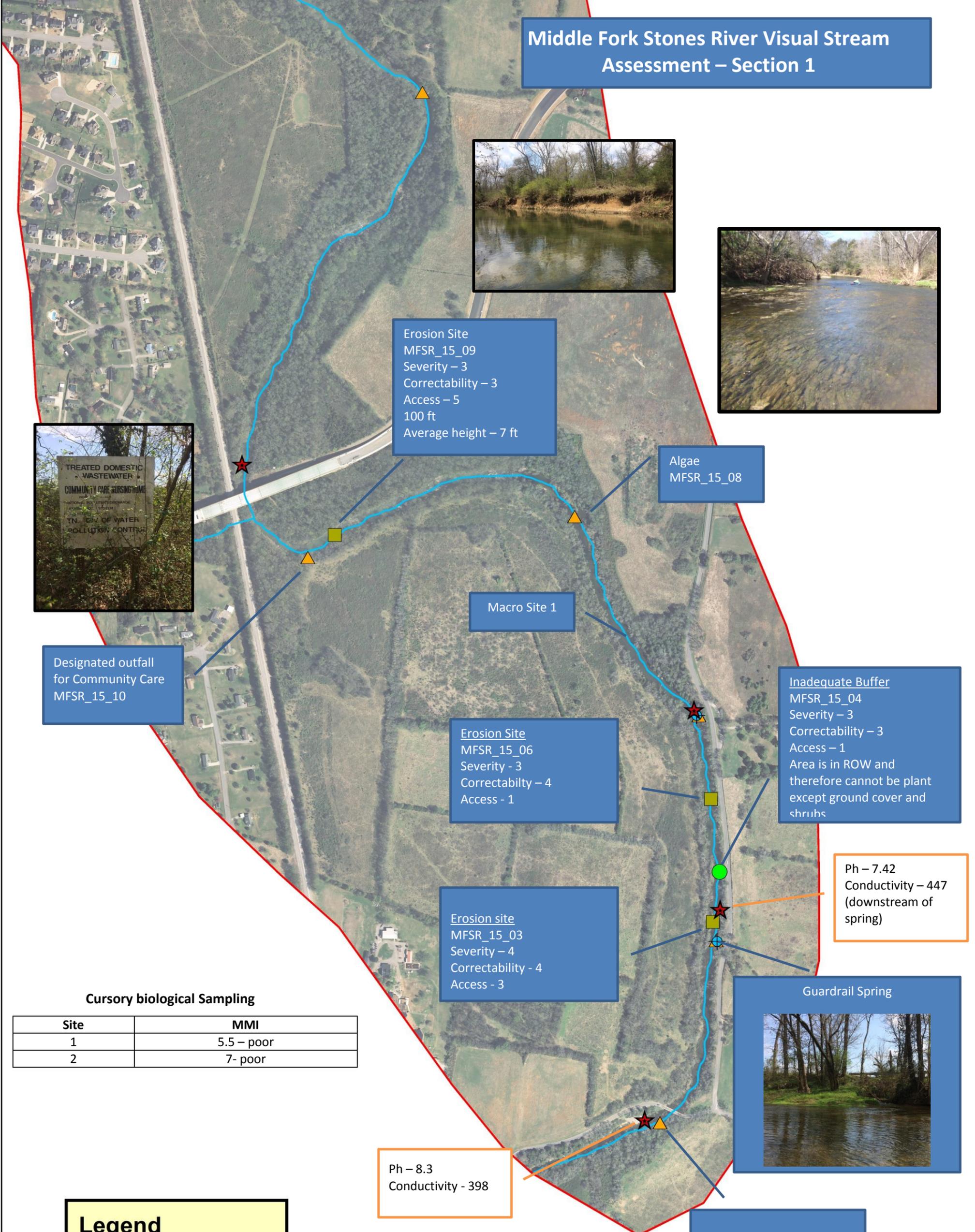
1. Erosion – 970 Ft
2. Invasive Plants in the riparian zone
3. Inadequate buffer – 1,386 Ft
4. Algae



Top Corrective Actions

1. Indian Hills Golf Course – Bank Restoration
(long segment of 3 feet high eroding banks in need of vegetation and stabilization)
2. Locate source of nutrients
(likely agriculture access to the stream directly and via sinkholes)

Middle Fork Stones River Visual Stream Assessment – Section 1



Erosion Site
MFSR_15_09
Severity – 3
Correctability – 3
Access – 5
100 ft
Average height – 7 ft

Algae
MFSR_15_08

Macro Site 1

Designated outfall
for Community Care
MFSR_15_10

Inadequate Buffer
MFSR_15_04
Severity – 3
Correctability – 3
Access – 1
Area is in ROW and
therefore cannot be plant
except ground cover and
shrubs

Erosion Site
MFSR_15_06
Severity - 3
Correctability – 4
Access - 1

Ph – 7.42
Conductivity – 447
(downstream of
spring)

Erosion site
MFSR_15_03
Severity – 4
Correctability - 4
Access - 3

Guardrail Spring

Ph – 8.3
Conductivity - 398

MFSR_15_01
Meander or spring
(stonework present)

Cursory biological Sampling

Site	MMI
1	5.5 – poor
2	7- poor

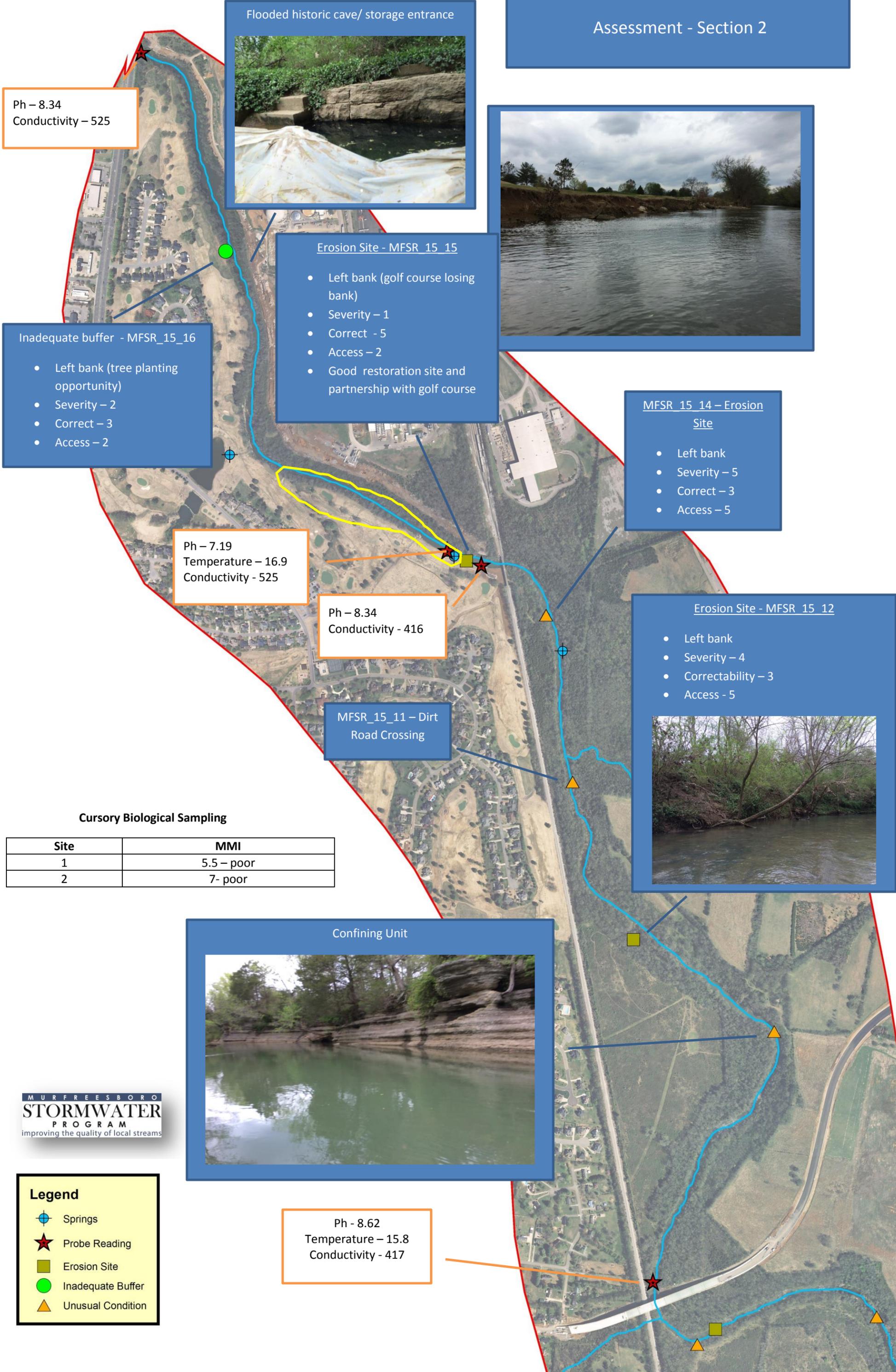
Legend

- Springs
- Probe Reading
- Erosion Site
- Inadequate Buffer
- Unusual Condition

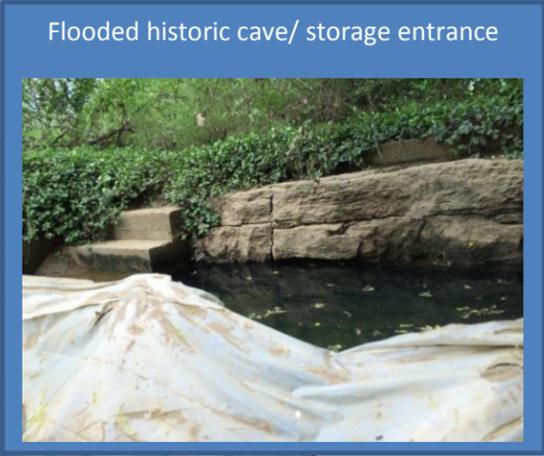
Adapted Maryland Protocol Score

	1	3	5
Severity	Severe	Moderate	Minor
Correct	Best	Moderate	Worst
Access	Car	Foot	Difficult

Middle Fork Stones River Assessment - Section 2



Ph - 8.34
Conductivity - 525



Erosion Site - MFSR_15_15

- Left bank (golf course losing bank)
- Severity - 1
- Correct - 5
- Access - 2
- Good restoration site and partnership with golf course

Inadequate buffer - MFSR_15_16

- Left bank (tree planting opportunity)
- Severity - 2
- Correct - 3
- Access - 2

MFSR_15_14 - Erosion Site

- Left bank
- Severity - 5
- Correct - 3
- Access - 5

Ph - 7.19
Temperature - 16.9
Conductivity - 525

Ph - 8.34
Conductivity - 416

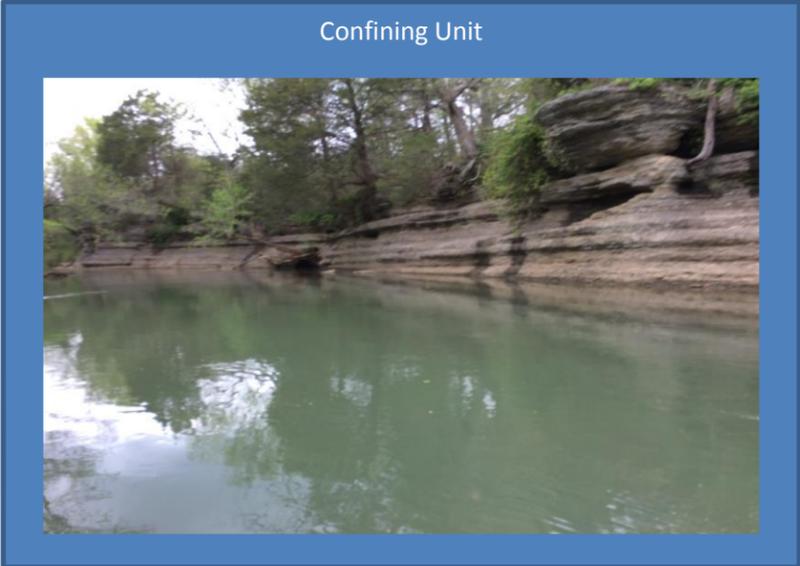
MFSR_15_11 - Dirt Road Crossing

Erosion Site - MFSR_15_12

- Left bank
- Severity - 4
- Correctability - 3
- Access - 5

Cursory Biological Sampling

Site	MMI
1	5.5 - poor
2	7- poor



Ph - 8.62
Temperature - 15.8
Conductivity - 417



Legend

- ⊕ Springs
- ★ Probe Reading
- Erosion Site
- Inadequate Buffer
- ▲ Unusual Condition